O.P.Code: 18CE0108

R18

H.T.No.

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR (AUTONOMOUS)

B. Tech II Year II Semester Supplementary Examinations May/June-2024 ENGINEERING GEOLOGY

(Civil Engineering)

		(Civil Engineering)			
Tir	Time: 3 Hours		Max.	Marl	rs: 60
		PART-A			-3. 00
		(Answer all the Questions $5 \times 2 = 10$ Marks)			
1	a		CO1	L2	2M
	b	Define specific gravity.	CO2	L1	2M
	c		CO ₃		
	d		CO5		2M
	e	What are dams and name the types of dams.			2M
		PART-B	CO6	L1	2M
		(Answer all Five Units 5 x $10 = 50$ Marks)			
2	•	Explain the highest of Control of			
4	a	Explain the biological factors in the process of weathering.	CO ₁	L2	5M
	D	Give the importance of physical Geology.	CO ₁	L2	5M
•		OR			
3	a	Define geology and explain the different branches of geology.	CO ₁	L1	5M
	b	Describe chemical weathering in detail.	CO ₁	L2	5M
		UNIT-II			
4	a	Identify the physical properties of Asbestos.	CO2	L1	5M
	b	Differentiate between Muscovite and Biotite Mica.	CO2	L2	5M
		OR	COZ		SIAT
5	a	Discuss briefly the physical properties of Quartz and talc.	CO2	т э	EN A
	b	Identify the physical properties of Flint.		L2	5M
	~		CO ₂	L2	5M
6	_	What are the start of the CY			
6	a	What are the classifications of Igneous rocks?	CO ₄	L1	5M
	D	Write the structure of metamorphic rocks.	CO ₄	L1	5M
_		OR			
7	a	Define rock and describe the classification of rocks.	CO ₃	L1	6M
	b	Describe the origin, texture, structure of sandstone and basalt.	CO ₃	L2	4M
		UNIT-IV			
8	a	Explain in detail about resistivity methods.			6M
	b	Differentiate between true dip and apparent dip of rock formation.	CO ₅	L2	4M
		OR		~=	1111
9	a	Classify and describe the difference types of faults.	CO ₅	L2	6M
	b	Write a short note on Importance of Unconformity.	CO5	L1	
		UNIT-V	COS	LI	4M
10	a				
10	b	What is reservoir? List out the factors contributing to the success of reservoir.	CO ₆	L1	5M
	D	Describe the causes of earthquakes.	CO ₆	L1	5M
11	•	OR			
11		Write a short note on lining of tunnels.	CO ₆	L1	5M
	D	Describe the effects of tunnelling on the ground.	CO ₆	L1	5M
		*** END ***			